

STATSHIELD® METAL-OUT SERIES



Specifications:

Standard Document
ANSI/ESD S541 (ANSI/ESD S20.20)
ANSI/ESD S11.4

Meets Requirements of:
ESD Protective Packaging
Level 3 Technical Requirements

Electrical Properties

Surface Resistance:
Outer Surface
Inner Surface
Discharge Shielding
Charge Generation
Capacitance Probe (to dissipate 1 KV)

Typical Values

1×10^4 to $< 1 \times 10^8$ ohms
 1×10^4 to $< 1 \times 10^{11}$ ohms
<20 nJ
Teflon: -0.03 nC/sq. in.
Quartz: +0.10 nC/sq. in.
<30 volts

Test Procedures/Method

ANSI/ESD STM11.11
ANSI/ESD STM11.11
ANSI/ESD STM11.31, EIA 541
Modified Incline Plane
Modified Incline Plane
ANSI/EIA-541/Appendix E, 1 kV Discharge

Physical Properties:

Film Thickness
Width (Inside Dimensions)
Length (Inside Dimensions)
Light Transmission
Puncture Resistance
Heat Seal
Non-corrosive
Silicone
Marking Adhesion

Nominal 0.003" (0.0762mm) $\pm 10\%$
Nominal -0" / + 0.125"
Nominal ± 0.125 "
40% (Tobias)
>10 lbs
>10 lbs/in.
Pass
Not detected
Pass

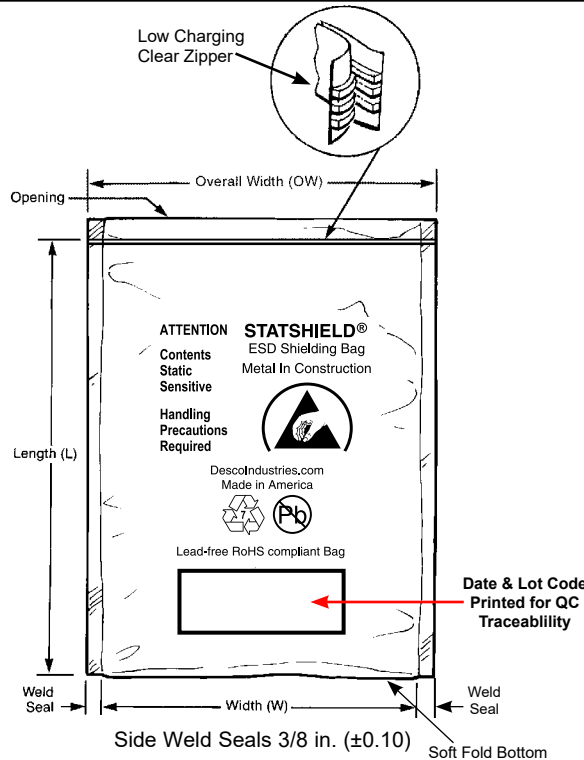
MIL-STD-3010, 1003

ASTM D-1003
MIL-STD-3010, 2065
375°F, 1/2 sec 60 psi
MIL-STD-3010, M3005
ASTM E168
IPC-TM-650 2.4.1

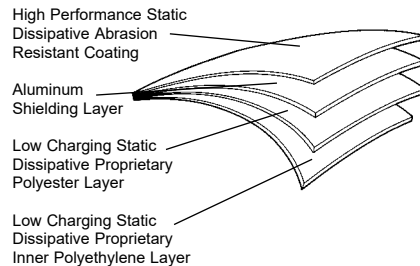
Chemical Properties

Corrosion

No effect on aluminum, copper, silver, Sn-Pb coated foil, stainless steel, low carbon steel



**** Bags are printed (hot stamp or thermal) with an ESD protective symbol and a lot code for traceability. ****



Mixed Unsortable Plastic Scrap

Mixed unsortable plastic scrap shall contain assorted plastics of multiple grades that are co-extruded, bonded or laminated together which are unsortable into individual grades.

Protektive Pak's bags are recyclable

Statshield® bags are packaged 100 per package in an oversized shielding bag.
See Shielding Bag Storage at [TB-7057](#).

ANSI/ESD S541 Section 6.2 Outside an EPA

"Transportation of sensitive products outside of an EPA shall require packaging that provides:

1. Low charge generation
2. Dissipative or conductive materials for intimate contact
3. A structure that provides electrostatic discharge shielding."

RoHS, REACH and Conflict Minerals Statement

See the Desco Industries RoHS, REACH, and Conflict Minerals Statement:
[Regulatory Statement Statshield Bags.pdf](#)

See Protektive Pak's Limited Warranty:
[ProtektivePak.com/Limited-Warranty](#)

Statshield® and Statfree® are Registered Trademarks of Desco Industries Inc.
See Bag Selection Chart Click [HERE](#).

Specifications and procedures subject to change without notice.



Made in the
United States of America

STATSHIELD® BAG, SHIELDING, METAL-OUT, ZIPPER

PROTEKTIVE PAK

PROTEKTIVE PAK
13520 MONTE VISTA AVENUE, CHINO, CA 91710
PHONE (909) 627-2578
[ProtektivePak.com](#)

DRAWING NUMBER
48770

DATE:
September
2021